

Internal Change Request

Number: 0001

Initiated by: Zubair Suri

Date: 8/27/2007

Name: Missing Organization Structure History Records

Description:

All existing organization types of OS organizations cannot be changed. New organization types can be added to the existing OS organizations but existing organization types cannot be removed. Also parent organizations for the child organizations cannot be modified for an existing organization type. The following error is returned when an organization type is removed or a parent is modified for an existing organization type:

SA-01057: Unable to close historical organization structure:

ORGANIZATION_ID
ORGANIZATION_TYPE
ORG_STRUCTURE_PARENT

See attached screenshot at the end of the document, for reference.

Impact:

The organization types of all existing OS organizations that were migrated from the OS Sunflower instance to the DOC Sunflower instance in the spring of 2006 cannot be removed. Also the parents of all existing OS organizations cannot be changed for their existing organization types.

Analysis:

A record is stored in the sa_org_structure_histories table every time the following happens:

1. An organization type is added to an organization.
2. An organization type is removed from an organization.
3. A parent organization for a particular organization type is added for the child organization.
4. A parent organization for a particular organization type is removed for the child organization.

By looking at the data in sa_organization_structures and sa_org_structure_histories tables it seems that sa_org_structure_histories was not migrated from the OS Sunflower instance to the NOAA Sunflower instance when the OS and NOAA Sunflower instances were consolidated into one instance in the spring of 2006.

Solution:

Develop a SQL script to write to insert all records in the sa_organization_structures table into the sa_org_structure_histories table if they do not already exist in the sa_org_structure_histories table. This script should be based on the code in the sa_organization_structures.post_operation

procedure of the Sunflower API. This script needs to be executed once only to insert the missing records.

Solution Impact: The SQL script will insert the missing records in the sa_org_structures_histories table. Only the OS organizations are missing records from the sa_org_structure_histories table. After the script is executed it will allow the modification of the organization types and parents of the existing OS organizations. All other organizations will not be affected.

Reference File and Revision Number:

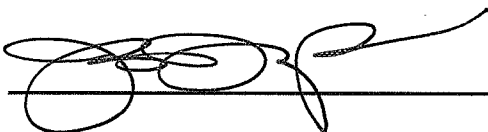
Following script is developed to fix the one time problem as specified in the solution above.

ins_msng_ogsths.sql

The above change request has been tested and accepted by the Department of Commerce.

Affected Bureau Tester _____

Date



8/27/07

Affected Bureau PMO _____

Date

DOC PMO



Date

8/27/07

